

Appl. No. 10/658,074
Amendment dated September 7, 2005
Reply to Office Action of March 7, 2005

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A device for mixing a material, the device comprising:
a base;
a first container and a second container;
a first linkage coupled to the base, the first linkage comprising at least two bars coupled together via at least one first linkage pivot joint, the first linkage configured to contact a first plunger of a first syringe to move a material from the ~~the~~ [[a]] first container through a conduit to the ~~the~~ [[a]] second container; and
a second linkage coupled to the base, the second linkage comprising at least two bars coupled together via at least one second linkage pivot joint, the second linkage configured to contact a second plunger of the second container to move the material from the second container through the conduit manifold to the first container.
2. (Original) The device of claim 1, wherein the device is configured to mix the material by movement of the material between the first and second containers via the conduit.
3. (Original) The device of claim 1, wherein the device is configured to mix a first material contained in the first container with a second material contained in the second container by movement of the first and second materials between the first and second containers via the conduit.
4. (Canceled)

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5. (Currently Amended) The device of claim 1 [[4]], wherein the first linkage comprises a first linkage rocker bar and a first linkage coupler bar, such that the first linkage rocker bar is pivotally coupled with the base, and a first end of the first linkage coupler bar is in translational cooperation with the base.

6. (Canceled)

7. (Currently Amended) The device of claim 1 [[6]], wherein the second linkage comprises a second linkage rocker bar and a second linkage coupler bar, such that the second linkage rocker bar is pivotally coupled with the base, and a first end of the second linkage coupler bar is in translational cooperation with the base.

8. (Currently Amended) The device of claim 5 [[4]], wherein the first linkage comprises a first linkage geometry such that activation of the first linkage is accomplished by a force applied at a handle end of the first linkage rocker bar, the force having a primary vector substantially orthogonal to a resting plane of the base.

9. (Original) The device of claim 8, wherein the first linkage geometry ensures that the primary vector is sufficient to maintain the position of the base on a resting surface during operation of the device.

10. (Currently Amended) The device of claim 7 [[6]], wherein the second linkage comprises a second linkage geometry such that activation of the second linkage is accomplished by a force applied at a handle end of the second linkage rocker bar, the force having a primary vector substantially orthogonal to a resting plane of the base.

11. (Currently Amended) The device of claim 10 [[6]], wherein the second linkage geometry ensures that the primary vector is sufficient to maintain the position of the base on a resting surface during operation of the device.

12. (Original) The device of claim 1, wherein the conduit comprises a tube.

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13. (Original) The device of claim 1, wherein the conduit comprises a manifold.

14. (Original) The device of claim 1, wherein at least one of the first and second containers comprises a syringe.

15. (Currently Amended) A device for mixing a material, the device comprising:

a base;

a first linkage coupled with the base, the first linkage configured to move a first material from a first container to a second container chamber via a conduit; and

a second linkage coupled with the base, the second linkage configured to move the material from the second container via the conduit to the first container;

wherein the first linkage comprises a first linkage rocker bar pivotally coupled with a first linkage coupler bar via a first linkage rocker-coupler joint, the first linkage coupler bar configured to transmit a force to the first container, and the second linkage comprises a second linkage rocker bar pivotally coupled with a second linkage coupler bar via a second linkage rocker-coupler joint, the second linkage coupler bar configured to transmit a force to the second container.

16. (Original) The device of claim 15, wherein the device is configured to mix the first material contained in the first container with a second material contained in the second container, and wherein the movement of the first and second materials between the first and second containers contributes to the mixing of the first and second materials.

17. (Original) The device of claim 16, wherein the first container comprises a first syringe and the second container comprises a second syringe, and wherein the first linkage is configured to drive a first plunger of the first syringe and the second linkage is configured to drive a second plunger of the second syringe.

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18. (Canceled)

19. (Currently Amended) The device of claim 15 ~~[[18]]~~, wherein the first linkage rocker bar is pivotally coupled with the base, and a first end of the first linkage coupler bar is in translational cooperation with the base.

20. (Canceled)

21. (Currently Amended) The device of claim 15 ~~[[20]]~~, wherein the second linkage rocker bar is pivotally coupled with the base, and a first end of the second linkage coupler bar is in translational cooperation with the base.

22. (Currently Amended) The device of claim 15 ~~[[18]]~~, wherein the first linkage comprises a first linkage geometry such that activation of the first linkage is accomplished by a force applied at a handle end of the first linkage rocker bar, the force having a primary vector substantially orthogonal to a resting plane of the base.

23. (Original) The device of claim 22, wherein the first linkage geometry ensures that the primary vector is sufficient to maintain the position of the base on a resting surface during operation of the device.

24. (Currently Amended) The device of claim 15 ~~[[20]]~~, wherein the second linkage comprises a second linkage geometry such that activation of the second linkage is accomplished by a force applied at a handle end of the second linkage rocker bar, the force having a primary vector substantially orthogonal to a resting plane of the base.

25. (Original) The device of claim 24, wherein the second linkage geometry ensures that the primary vector is sufficient to maintain the position of the base on a resting surface during operation of the device.

26. (Currently Amended) A device for mixing a material, the device comprising:

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a base;

a first linkage coupled to the base, the first linkage comprising a first linkage rocker bar at least two bars coupled with a first linkage coupler bar together via at least one first linkage pivot joint, the first linkage coupler bar configured to contact a first plunger of a first syringe to move a material from a first syringe through a conduit to a second syringe; and

a second linkage coupled to the base, the second linkage comprising a second linkage rocker bar at least two bars coupled a second linkage coupler bar together via at least one second linkage pivot joint, the second linkage coupler bar configured to contact a second plunger of the second syringe to move the material from the second syringe through the conduit to the first syringe; and

a plurality of feet on a resting surface of the base, each foot comprising a retractable point and a contact patch, the retractable point and the contact patch adapted to contact a surface and inhibit movement of the device on the surface;

wherein the movement of the material between the first and second syringes contributes to the mixing of the material.

27. (Currently Amended) A system for mixing a first material with a second material, the system comprising:

a) a first linkage having a first linkage rocker bar coupled with a first linkage coupler bar via at least two bars and at least one first linkage pivot joint;

b) a second linkage having a second linkage rocker bar coupled with a second linkage coupler bar via at least two bars and at least one second linkage pivot joint;

c) a first syringe containing a first material;

d) a second syringe containing a second material; and

e) a base coupled with the first linkage and the second linkage;

wherein the first linkage is configured to contact a first plunger of the first syringe to move the first material through a conduit to a second syringe; the second linkage is configured to contact a second plunger of the second syringe to move the first material and the second

